

10/16/00

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A method of reconciling data between a host device wirelessly connected to a personal data assistant, comprising:

commencing execution of an application on said personal data assistant;

executing, while said application is running on said personal data assistant, a synchronization instruction from said running application; and

synchronizing data over a wireless connection stored in said personal data assistant with data stored in said host device;

wherein synchronization is automatically initiated between said personal data assistant and said host device by said personal data assistant executing said synchronization instruction.

2. (previously presented) The method of claim 1, further comprising:

establishing a TCP/IP communication link between said host device and said personal data assistant for synchronizing said data.

3. (previously presented) The method of claim 1, further comprising:

launching a first synchronization process on said personal data assistant in response to said executing a synchronization instruction; and

launching a second synchronization process on said host device in response to said executing a synchronization instruction.

4. (previously presented) The method of claim 3, wherein:
said synchronizing is performed by said first synchronization process and said second synchronization process.

5. (previously presented) The method of claim 4, wherein:
said executing a synchronization instruction further comprises executing from the application a synchronization instruction having at least one parameter.

6. (previously presented) The method of claim 5, wherein:
said at least one parameter identifies data for synchronization.

7. (previously presented) The method of claim 6, wherein:
said identified data includes data stored in at least one database in said personal data assistant that is synchronized with data stored in an associated database in said host device.

8. (previously presented) The method of claim 5, wherein:
said at least one parameter includes a control parameter identifying an application to perform a next instruction after executing said synchronization instruction.

9. (previously presented) The method of claim 5, wherein said step of executing a synchronization instruction further comprises:
extracting said at least one parameter from said synchronization instruction; and
storing said at least one parameter in memory in said personal data assistant.

10. (previously presented) The method of claim 9, wherein said executing a synchronization instruction further comprises:

retrieving said stored at least one parameter from said memory;
and

executing from said application said synchronization instruction with said retrieved at least one parameter.

11. (previously presented) The method of claim 1, wherein:
said executing a synchronization instruction from said application further comprises executing said synchronization instruction in response to an event.

12. (previously presented) The method of claim 11, wherein:
said event comprises selecting a button or icon displayed by said application on said personal data assistant.

13. (previously presented) The method of claim 11, wherein:
said event comprises selecting a menu item displayed by said application on said personal data assistant.

14. (previously presented) The method of claim 11, wherein:
said event comprises one of selecting a form and closing a form displayed on said personal data assistant.

15. (currently amended) A system comprising:

a personal data assistant comprising at least one first database;

and

a host device adapted to be connected to said personal data assistant over a wireless connection and including at least one second database;

wherein said personal data assistant is adapted to be configured to execute a synchronization instruction for synchronizing said at least one first database and said at least one second database, said ~~synchronize~~ synchronization instruction is adapted to be executed from an application running on said personal data assistant; and

wherein synchronization is automatically initiated between said personal data assistant and said host device by said personal data assistant executing said synchronization instruction.

16. (previously presented) The system of claim 15, wherein said personal data assistant further comprises:

a runtime engine executing said application; and

a memory storing a program file received from said host device, said program file including said synchronization instruction executed by said personal data assistant.

17. (previously presented) The system of claim 16, wherein:

said runtime engine is configured to retrieve said synchronization instruction from said program file and execute said synchronization instruction.

18. (previously presented) The system of claim 17, wherein:

a first synchronization process is launched on said personal data assistant and a second synchronization process is launched on said host device for synchronizing in response to said execution of said synchronization instruction.

19. (previously presented) The system of claim 17, wherein:

said host device further comprises an integrated design environment configured to generate said application and said program file, said application and said program file being downloaded to said personal data assistant from said host device through a communication link.

20. (currently amended) A data synchronization system comprising:

a host computer including an integrated design environment, a first plurality of databases, and at least one application, wherein said host computer is configured to generate said at least one application and a program file including instructions executed with said application; and

a personal data assistant connected to said host computer through a wireless connection, said personal data assistant comprising a runtime engine and a second plurality of databases;

wherein said personal data assistant is configured to receive said at least one application and program file from said host computer, and said runtime engine is configured to initiate said at least one application and a synchronization instruction in said program file for synchronizing at least one database in said second plurality of databases with at least one associated database from said first plurality of databases; and

wherein synchronization is automatically initiated between said personal data assistant and said host computer by said personal data assistant executing said synchronization instruction, while said at least one application is running on said personal data assistant.

21. (currently amended) A method of synchronizing data between a personal data assistant and a remote computer, comprising:

selecting from said personal data assistant which files on said personal data assistant to synchronize with said remote computer;

establishing wireless communications between said personal data assistant and said remote computer;

running an application on said personal data assistant; and

while said application is running on said personal data assistant,
automatically synchronizing data between said personal data assistant and said remote computer.

22. (previously presented) The method of synchronizing data between a personal data assistant and a remote computer according to claim 21, wherein:

said synchronizing is performed over a wireless connection.

23. (previously presented) The method of synchronizing data between a personal data assistant and a remote computer according to claim 21, wherein:

said synchronizing synchronizes a first database on said personal data assistant with a second database on said remote computer.

24. (previously presented) The method of synchronizing data between a personal data assistant and a remote computer according to claim 21, further comprising:

selecting a button or icon displayed by an application on said personal data assistant.

25. (previously presented) The method of synchronizing data between a personal data assistant and a remote computer according to claim 21, further comprising:

selecting a menu item displayed by an application on said personal data assistant.

26. (currently amended) Apparatus for synchronizing data between a personal data assistant and a remote computer, comprising:

means for selecting from said personal data assistant which files on said personal data assistant to synchronize with said remote computer;

means for establishing wireless communications between said personal data assistant and said remote computer;

means for running an application on said personal data assistant;
and

means for automatically synchronizing, while said application is running on said personal data assistant, data between said personal data assistant and said remote computer.

27. (currently amended) Apparatus for synchronizing data between a personal data assistant and a remote computer, comprising:

a selector on a personal data assistant to select which files on said personal data assistant to synchronize with said remote computer;

a wireless communications path between said personal data assistant and said remote computer;

a runtime engine to run an application; and

a synchronizer to automatically ~~synchronizing~~ synchronize, while said runtime engine is running said application, data between said personal data assistant and said remote computer.

28. (previously presented) The apparatus for synchronizing data between a personal data assistant and a remote computer according to claim 27, wherein:

said synchronizer synchronizes said data over a wireless connection.

29. (previously presented) The apparatus for synchronizing data between a personal data assistant and a remote computer according to claim 27, wherein:

said synchronizer synchronizes a first database on said personal data assistant with a second database on said remote computer.

30. (previously presented) The apparatus for synchronizing data between a personal data assistant and a remote computer according to claim 27, further comprising:

a selector to select a button or icon displayed by an application on said personal data assistant.

31. (previously presented) The apparatus for synchronizing data between a personal data assistant and a remote computer according to claim 27, further comprising:

a selector to select a menu item displayed by an application on said personal data assistant.